

A-2958

Claim Amendments

A1
Claim 1 (currently-amended). A cylinder jacket profile configuration for a rotary printing press cylinder, comprising:

a sheet-guiding cylinder jacket profile having elevations a spherical surface structure; and

an easy-clean microstructure layer as a surface coating for said sheet-guiding cylinder jacket profile, said easy-clean layer having a thickness of less than 5 μm and a surface energy of less than 50 mN/m.

Claim 2 (currently-amended). The cylinder jacket profile configuration according to claim 1, wherein said thickness of said easy-clean microstructure layer is substantially 1 μm .

Claim 3 (currently-amended). The cylinder jacket profile configuration according to claim 1, wherein said sheet-guiding cylinder jacket profile includes an anti-wear layer, said easy-clean microstructure layer is disposed on said anti-wear layer.

A-2958

Claim 4 (original). The cylinder jacket profile configuration according to claim 3, wherein said anti-wear layer is a chromium layer.

Claim 5-6 (cancelled).

Cont
A1
Claim 7 (currently-amended). The cylinder jacket profile configuration according to claim 1, wherein said easy-clean microstructure layer includes a microstructure exhibiting exhibits a lotus effect.

Claim 8 (currently-amended). The cylinder jacket profile configuration according to claim 1, wherein said spherical structure has elevations, and said easy-clean microstructure layer is interrupted on said elevations.

Claim 9 (currently-amended). The cylinder jacket profile configuration according to claim 5 1, wherein said spherical structure has depressions, and said easy-clean microstructure layer is provided only in said depressions ~~formed between said~~ elevations.

Claim 10 (cancelled).

A-2958

Claim 11 (currently-amended). A method for producing an easy-clean layer on a cylinder jacket profile, the method which comprises:

providing a cylinder jacket profile having ~~elevations~~
spherical surface structures; and

applying an easy-clean layer as a surface coating for the cylinder jacket profile, the easy-clean layer providing a microstructure to the jacket profile such that the easy-clean layer has a thickness of less than 5 μm and a surface energy of less than 50 mN/m.

Claim 12 (original). The method according to claim 11, which comprises applying the easy-clean layer such that the thickness of the easy-clean layer is substantially 1 μm .

Claim 13 (currently-amended). The method according to claim 11, which comprises applying the easy-clean layer initially as a substantially uninterrupted layer and subsequently removing the easy-clean layer from ~~the elevations~~ of the spherical surface structure.

Claim 14 (original). The method according to claim 13, which comprises removing the easy-clean layer by contacting the

A-2958

easy-clean layer with a printing sheet during a printing operation.

Claim 15 (currently-amended). A printing press, comprising:

a cylinder having a jacket surface with a cylinder jacket profile having ~~elevations~~ a spherical surface structure; and

an easy-clean microstructure layer provided as a surface coating for said cylinder jacket profile, said easy-clean layer having a thickness of less than 5 μm and a surface energy of less than 50 mN/m.

Claim 16 (original). The printing press according to claim 15, wherein said cylinder is a sheet-guiding cylinder selected from the group consisting of an impression cylinder and a sheet transfer cylinder configured for a recto/verso printing.
